PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

29-Jun-2010

Company: 111309

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67941

 Date In:
 03-Jun-2010

 Date Out:
 16-Jun-2010

Days In Service: 13

CCC Panel # P67941

ISA Class G2
Moderate

Copper Corrosion 741 Å/30 Days

Silver Corrosion 2576 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67941

The electrolytic reduction analysis on Corrosion Classification Coupon #P67941 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

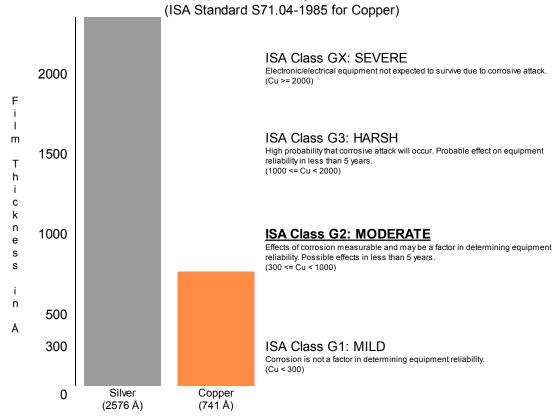
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PURAFIL CCC # P67941 Analysis Results

Corrosion Film Composition				Gold Coupon -
	30 Days	Projections <u>1 Year</u>	<u>5 Year</u>	Magnified 20x
Copper Films Cu ₂ S	457 Å	1593 Å	3562 Å	
Cu ₂ O	169 Å	589 Å	1317 Å	
Unknowns	115 Å	402 Å	899 Å	
Totals	741 Å	2584 Å	5778 Å	
Silver Films	- 0	- 0	- 0	
AgCI	0 Å	0 Å	0 Å	
Ag ₂ S	2353 Å	28645 Å	143223 Å	
Unknowns	223 Å	2715 Å	13573 Å	
Totals	2576 Å	31360 Å	156796 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation



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